

5.0 ROOM REQUIREMENTS

MSAU HQ-BEQ

Room Name: Arms Room 143

Space Characteristics

Function: To provide storage space for weapons. Work space with teller window so employees can distribute weapons from the armory

Adjacencies: Adjacent to the circulation spaces, Command Suite and Squad Storage.

Special Dimensions:

Plan Dimensions or area: 258 SF

Minimum Ceiling Height: 9'-0" minimum ceiling height.

Acoustics: STC 50 (walls to adjacent rooms), Doors: STC 45. Floor/Ceiling assemblies shall have an Impact Isolation Class (IIC) of 50 (IIC 45 if field tested).

Access: Access from the interior circulation spaces.

Number of Occupants: NA

Other/Special Requirements: Provide arms racks. Design Arms Room per UFC 4-215—01 (Armories and Arms Room) MCO 5530.14A (Marine Corps Physical Security Manual), and AR190-11 (Physical Security of Arms, Ammunition, and Explosives) requirements. When conflicts arise, MCO 5530.14A shall govern. Provide work bench, day gate and steel vault door. Provide CCTV, card readers and IDS. No Windows, adequate space for weapons, mobile weapon storage system. No live ammunition will be stored in the weapons cleaning or arms storage spaces. Cleaner-Protector-Lubricant (CPL) cleaning agent, along with cleaning implements, will be stored in a standard metal storage cabinet.

Uniformat Section	Description	Qty	Size	Specific Requirements
B2010	Exterior Walls			Wall construction shall consist of Load bearing 8 inch reinforced concrete backup wall, brick veneer, cast stone trim and a wall cavity space containing the insulation, air, water and vapor barrier. Room shall have reinforced concrete floor/ceiling above per UFC 4-215-01 and MCO 5530.14A.
C101001	Fixed Partitions			Provide partitions per AR190-11. Room shall have reinforced concrete floor/ceiling above per UFC 4-215-01 and MCO 5530.14A.
C102001	Interior Doors	As indicated	3 x 7	Class 5 steel vault door per UFC 4-215-01. (Shelf at door. Day gate).
C102007	Interior Door Hardware			Provide door gasketing, protection plates, stops, cores and cylinders as required, lock trim. Card reader, electric latch, and door contact.
C103004	Identifying Devices			Wall mounted, architectural signage, include room number and name of function
C103012	Firestopping Penetrations			Penetration ratings shall match wall ratings.
C103090	Other Specialties		Min. 215 LF	Fully recessed manual compact mobile storage system for pistols, rifles & shotguns.
C301001	CMU Finish			High Performance Latex Paint.

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Uniformat Section	Description	Qty	Size	Specific Requirements
C302004	Resilient Floor Finishes			VCT
C302007	Resilient Wall Base		4" High	Rubber
C3030	Ceiling Finishes		24" x 24"	Suspended acoustical ceiling panels
C304001	Interior Coatings and Finishes			High Performance Latex Paint
D304001	Air Distribution, Heating and Cooling			Provide continuous ventilation equal to exhaust, ventilation air is to be fully conditioned and at neutral conditions of 70 degrees F and maximum 50% RH.
D304007	Exhaust Systems			Provide continuous exhaust.
D305003	Fan Coil Units			Provide horizontal 4-pipe fan coil unit with secondary drain pan
D305006	Package Units			Provide packaged dehumidifier to maintain space to no greater than 40% RH.
D306001	HVAC Controls			Provide DDC capable digital wall mounted thermostat. Thermostat will provide fan coil units with BACNET connectivity.
D4010	Fire Alarm and Detection Systems			Provide audible notification appliance coverage in accordance with UFC 3-600-01 and UFC 4-021-01.
D4040	Sprinkler Systems			Provide wet-pipe sprinkler coverage in accordance with UFC 3-600-01.
D502001	Branch Circuit Wiring			<p>Provide duplex receptacles spaced every 10' on center; minimum of one two duplex per wall. Provide two (2) Quad Receptacles for computers at each desk location; coordinate with D5030.</p> <p>Provide two circuit plugmold with duplex receptacles spaced every 12" for the full length of each workbench, minimum of two duplex per workbench. Each workbench plugmold shall be fed from a dedicated 2p circuit breaker.</p> <p>Provide power as required for D5030 and E1010 AV and Security equipment and systems.</p>
D502002	Lighting Equipment			<p>Target Illuminance = 50fc average, 70fc on the workbench.</p> <p>Fixture Type: Linear recessed LED, lensed and gasketed</p> <p>Provide 90min emergency lighting.</p> <p>Control: Vacancy Sensor + Switch</p>
D503001	Telecommunications Systems			2 – Combination voice and NMCI data outlets.

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Unifomat Section	Description	Qty	Size	Specific Requirements
D503005	Security Systems			Provide card reader and door contact for training system. Provide door contact for live system.
D509002	Emergency Lighting and Power			Provide 90 min emergency lighting.
E101005	Security and Vault Equipment	1	44" x 80" x 2	Day Gate including Brut electronic door latch, interchangeable core and rim cylinder, combination spindial, rechargeable batteries, and armored cable. To meet Class A Armory Requirements. Balance of door hardware by vault door manufacturer. Coordinate MCB and DoS/DS requirements for hardware.
E2020	Movable Furnishings			1 – Desk, L-shape 1 – Task Chair 1 – Work Bench 1 – Waste Receptacle 2 – Stacking ammunitions safes, 1 combination lock each